

|   |                  |                    |
|---|------------------|--------------------|
| PTO-1449 (Modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT | ATTY. DOCKET NO. | SERIAL NUMBER      |
|   | 1096.48022       | 887319<br>08/28/92 |
|   | APPLICANT        |                    |
|   | H. Lee Martin    |                    |
|   | FILING DATE      | GROUP ART UNIT     |
|   | February 8, 1995 | 2602               |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME            | CLASS      | SUB<br>CLASS | FILING<br>DATE |
|---------------------|--------------------|----------|-----------------|------------|--------------|----------------|
| AS                  | 4,736,436          | 4/5/88   | Yasukawa et al. | 382<br>360 | 160          |                |
| AS                  | 4,807,158          | 2/21/89  | Blanton et al.  | 395        | 125          |                |
| AS                  | 4,899,293          | 2/6/90   | Dawson et al.   | 364        | 521          |                |
| AS                  | 5,175,808          | 12/29/92 | Sayre           | 325        | 133          |                |
| AS                  | 5,396,583          | 3/7/95   | Chen et al.     | 397        | 127          |                |
|                     |                    |          |                 |            |              |                |
|                     |                    |          |                 |            |              |                |
|                     |                    |          |                 |            |              |                |
|                     |                    |          |                 |            |              |                |

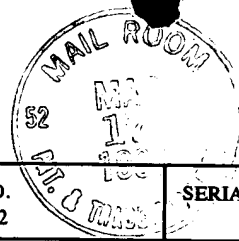
## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES/NO |  |
|---------------------|--------------------|------|---------|-------|--------------|-----------------------|--|
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |
|                     |                    |      |         |       |              |                       |  |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

|  |                               |
|--|-------------------------------|
| EXAMINER <i>Allen Burgess</i>  | DATE CONSIDERED <i>5/8/96</i> |
| EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant. |                               |

Sheet 1 of 4

|   |                                    |   |
|---|------------------------------------|---|
| PTO-1449 (Modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT | ATTY. DOCKET NO.<br>1096.48022     | SERIAL NUMBER <b>887319</b><br>08/30/92 |
|   | APPLICANTS<br>H. Lee Martin et al. |   |
|   | FILING DATE<br>February 8, 1995    | GROUP ART UNIT<br><b>2602</b>           |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME             | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|--------------------|----------|------------------|-------|--------------|----------------|
| <i>MB</i>           | 3,723,805          | 03/27/73 | Scarpino et al.  | 315   | 27 GD        | 05/12/71       |
| <i>MB</i>           | 4,125,862          | 11/14/78 | Catano           | 358   | 140          | 03/31/77       |
| <i>MB</i>           | 4,152,724          | 05/01/79 | Hunter           | 358   | 109          | 05/03/76       |
| <i>MB</i>           | 4,191,967          | 03/04/80 | Dansac et al.    | 358   | 113          | 01/06/78       |
| <i>MB</i>           | 4,463,380          | 07/31/84 | Hooks, Jr.       | 358   | 160          | 09/25/81       |
| <i>MB</i>           | 4,518,898          | 05/21/85 | Tarnowski et al. | 315   | 371          | 02/22/83       |
| <i>MB</i>           | 4,549,208          | 10/22/85 | Kamejima et al.  | 358   | 108          | 12/21/83       |
| <i>MB</i>           | 4,661,855          | 04/28/87 | Gülck            | 358   | 225          | 01/17/86       |
| <i>MB</i>           | 4,670,648          | 06/02/87 | Hall et al.      | 250   | 216          | 03/06/85       |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | COUNTRY                   | CLASS | SUB<br>CLASS | TRANSLATION<br>YES/NO |   |
|---------------------|--------------------|----------|---------------------------|-------|--------------|-----------------------|---|
| <i>MB</i>           | WO 82/03712        | 10/28/82 | International Application | /     | /            |                       | X |
| <i>MB</i>           | JP 2-127877        | 5/16/90  | Japanese Application      | /     | /            | X                     |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |
|                     |                    |          |                           |       |              |                       |   |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|           |   |
|-----------|---|
| <i>MB</i> | English Abstract 2-127877 (A), May 16, 1990, for "ELECTRONIC STILL CAMERA PROVIDED WITH FISHEYE LENS" for Japanese Application No. 63-281550. |
| <i>MB</i> | "Fooling the Eye", Suzanne Oliver, Forbes, January 16, 1995 (page 94).  |
|           |   |

|   |                                    |   |
|---|------------------------------------|---|
| PTO-1449 (Modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT | ATTY. DOCKET NO.<br>1096.48022     | SERIAL NUMBER<br>08/388,842 <b>887319</b> |
|   | APPLICANTS<br>H. Lee Martin et al. |   |
|   | FILING DATE<br>February 8, 1995    | GROUP ART UNIT<br><b>2602</b>             |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME            | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|--------------------|----------|-----------------|-------|--------------|----------------|
| <i>EB</i>           | 4,728,839          | 03/01/88 | Coughlan et al. | 310   | 112          | 02/24/87       |
| <i>EB</i>           | 4,751,660          | 06/14/88 | Hedley          | 364   | 518          | 06/26/86       |
| <i>EB</i>           | 4,772,942          | 09/20/88 | Tuck            | 358   | 87           | 01/07/87       |
| <i>EB</i>           | 4,797,942          | 06/10/89 | Burt            | 382   | 41           | 03/02/87       |
| <i>EB</i>           | 4,835,532          | 05/30/89 | Fant            | 340   | 728          | 03/29/88       |
| <i>EB</i>           | 4,858,002          | 08/15/89 | Zobel           | 358   | 98           | 04/11/88       |
| <i>EB</i>           | 4,858,149          | 08/15/89 | Quarendon       | 364   | 522          | 08/18/87       |
| <i>EB</i>           | 4,918,473          | 04/17/90 | Blackshear      | 354   | 81           | 03/02/88       |
| <i>EB</i>           | 4,924,094          | 05/08/90 | Moore           | 250   | 334          | 03/19/87       |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES/NO |
|---------------------|--------------------|------|---------|-------|--------------|-----------------------|
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

|  |                                  |
|--|----------------------------------|
| EXAMINER<br><i>Allen Burgess</i>   | DATE CONSIDERED<br><i>5/8/96</i> |
| EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant. |                                  |

|   |                                 |   |
|---|---------------------------------|---|
| PTO-1449 (Modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT | ATTY. DOCKET NO.<br>1096.48022  | SERIAL NUMBER<br>08/386,912 <b>887319</b> |
|   | APPLICANTS H. Lee Maginn et al. |   |
|   | FILING DATE<br>February 8, 1995 | GROUP ART UNIT<br>2602                    |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME            | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|--------------------|----------|-----------------|-------|--------------|----------------|
| <i>SB</i>           | 4,945,367          | 07/31/90 | Blackshear      | 354   | 81           | 08/09/89       |
| <i>SB</i>           | 4,965,844          | 10/23/90 | Oka et al.      | 382   | 44           | 03/31/86       |
| <i>SB</i>           | 4,991,020          | 02/05/91 | Zwirn           | 358   | 160          | 02/17/89       |
| <i>SB</i>           | 5,005,083          | 04/02/91 | Grage et al.    | 358   | 181          | 05/19/89       |
| <i>SB</i>           | 5,020,114          | 05/28/91 | Fujioka et al.  | 382   | 44           | 08/17/88       |
| <i>SB</i>           | 5,023,725          | 06/11/91 | McCutchen       | 358   | 231          | 10/23/89       |
| <i>SB</i>           | 5,048,102          | 09/10/91 | Tararine et al. | 382   | 41           | 09/14/88       |
| <i>SB</i>           | 5,067,019          | 11/19/91 | Juday et al.    | 358   | 160          | 03/31/89       |
| <i>SB</i>           | 5,068,735          | 11/26/91 | Tuchiya et al.  | 358   | 209          | 08/13/90       |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES/NO |
|---------------------|--------------------|------|---------|-------|--------------|-----------------------|
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

|  |                               |
|--|-------------------------------|
| EXAMINER <i>Wen Burgess</i>  | DATE CONSIDERED <i>1/8/96</i> |
| EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant. |                               |



|   |                                    |                            |
|---|------------------------------------|----------------------------|
| PTO-1449 (Modified)<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT | ATTY. DOCKET NO.<br>1096.48022     | SERIAL NUMBER<br>08/386942 |
|   | APPLICANTS<br>H. Lee Martin et al. |                            |
|   | FILING DATE<br>February 8, 1995    | GROUP ART UNIT<br>2602     |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME            | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|--------------------|----------|-----------------|-------|--------------|----------------|
| MS                  | 5,077,609          | 12/31/91 | Manelphe        | 358   | 109          | 10/05/90       |
| B                   | 5,173,948          | 12/22/92 | Blackham et al. | 382   | 44           | 03/29/91       |
| JB                  | 5,185,667          | 02/1993  | Zimmermann      | 358   | 209          |                |
| 43                  | 5,200,818          | 04/06/93 | Neta et al.     | 358   | 87           | 03/22/91       |
| HS                  | 5,231,673          | 07/27/93 | Elenga          | 382   | 6            | 03/29/91       |
|                     |                    |          |                 |       |              |                |
|                     |                    |          |                 |       |              |                |
|                     |                    |          |                 |       |              |                |
|                     |                    |          |                 |       |              |                |
|                     |                    |          |                 |       |              |                |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES/NO |
|---------------------|--------------------|------|---------|-------|--------------|-----------------------|
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |
|                     |                    |      |         |       |              |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

|  |                                  |
|--|----------------------------------|
| EXAMINER<br><i>Allen Burgess</i>   | DATE CONSIDERED<br><i>5/9/96</i> |
| EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant. |                                  |